

Figure 1. Illustration of basic photochemical metal organic deposition process steps.

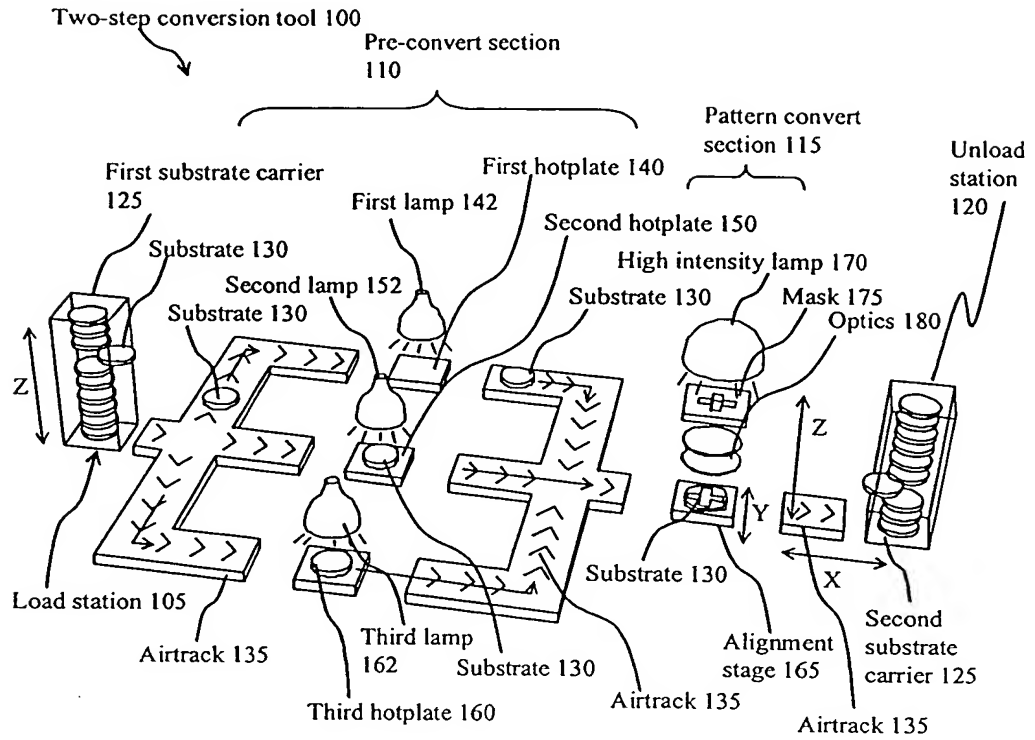


Figure 2. Apparatus for two-step conversion of precursor.

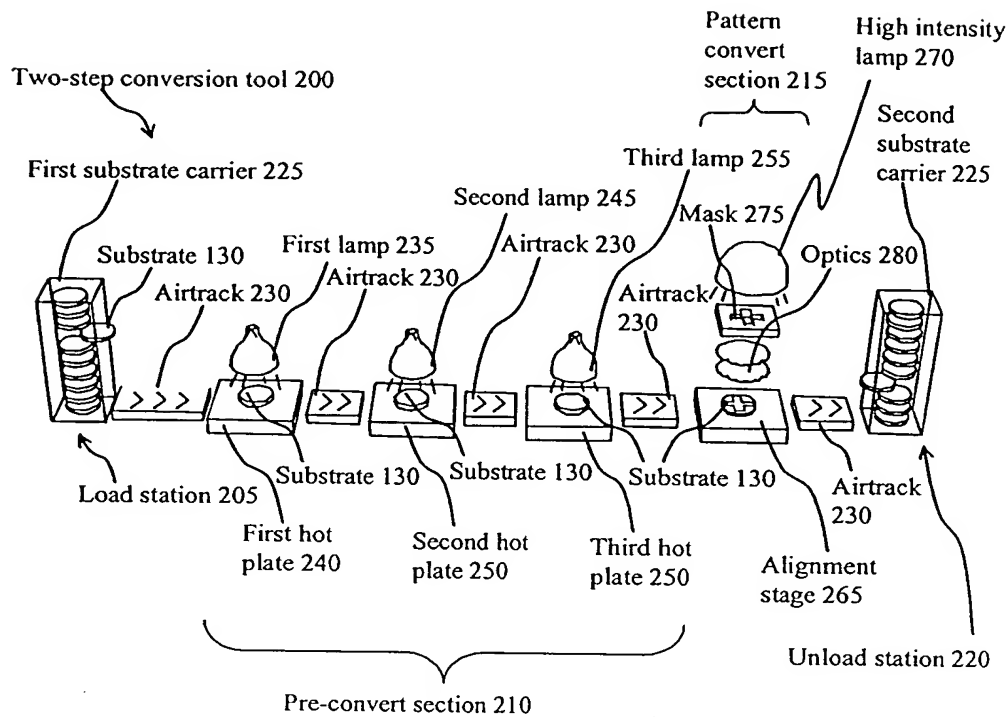


Figure 3. Alternate configuration of apparatus for two-step conversion of precursor.

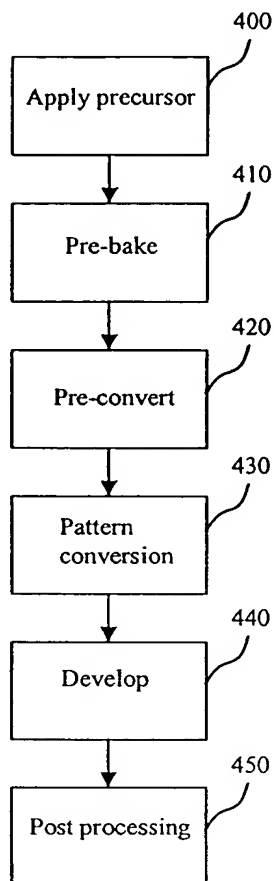


Figure 4. Method of two-step conversion of precursor.

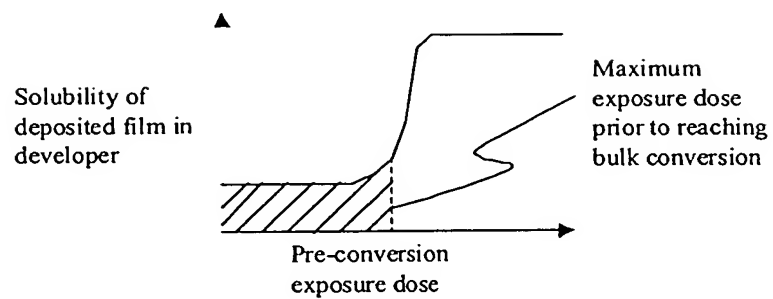


Figure 5: Pre-conversion exposure dose vs. percent precursor converted.

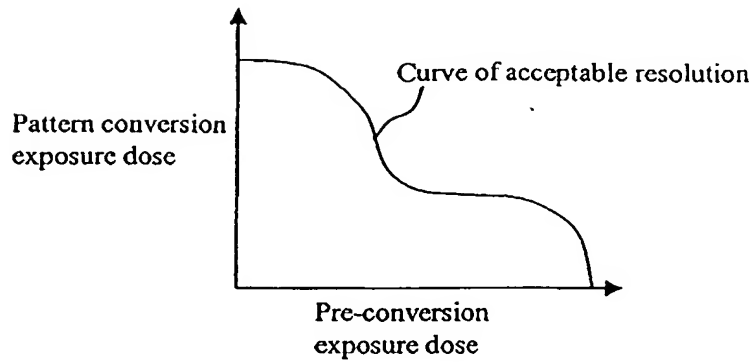


Figure 6a Relationship between pre-conversion exposure dose and acceptable pattern exposure dose

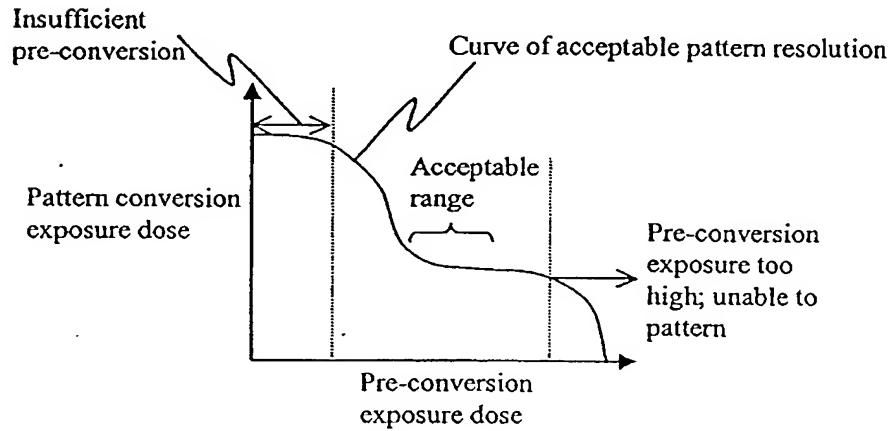


Figure 6b Ranges on curve of acceptable pattern resolution

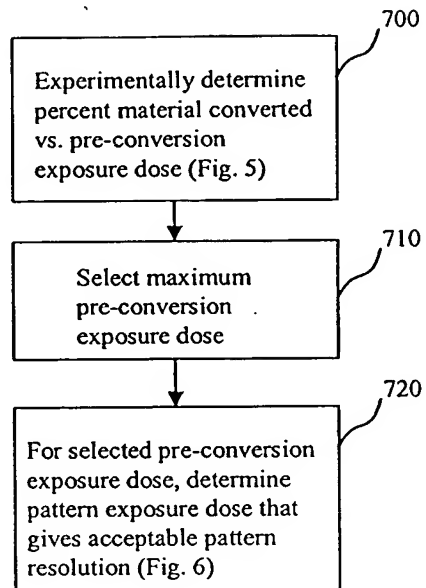


Figure 7. Method of selecting pre-conversion exposure dose and pattern exposure dose.

FIGURE 8

ZrO₂ Refractive Index vs. Wavelength

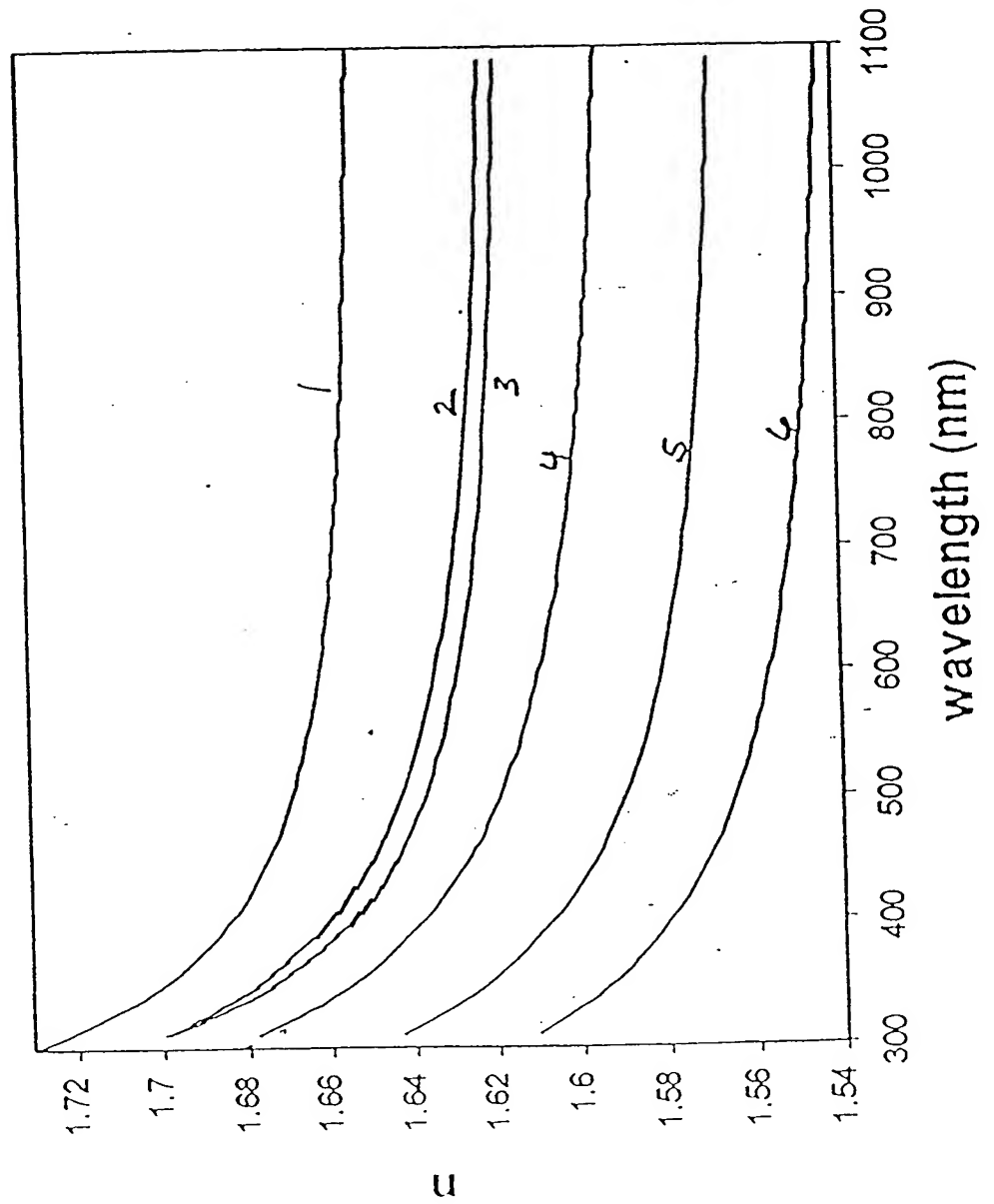


FIGURE 9

Thermal Contrast Curve for BST using IPA

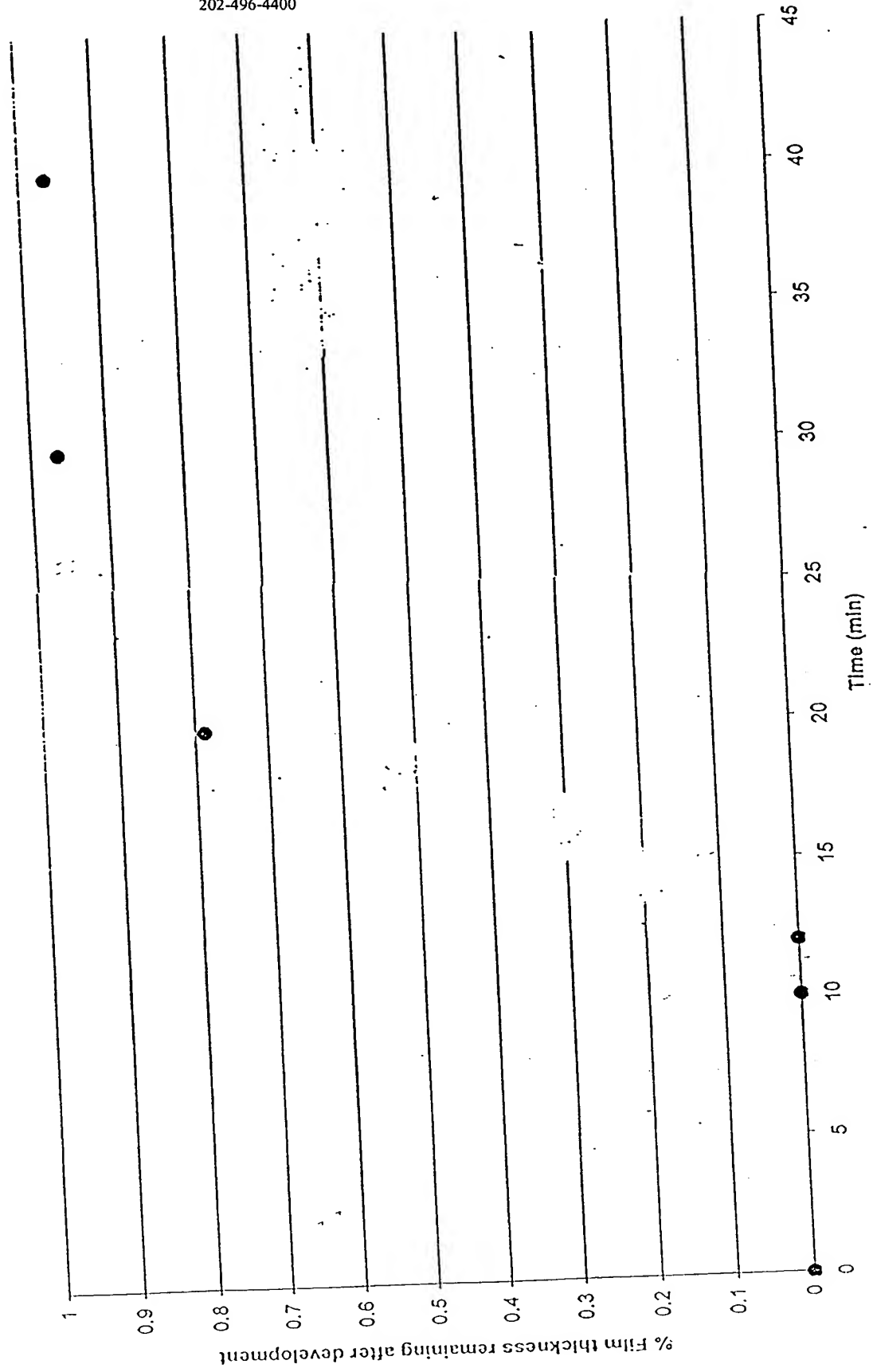


FIGURE 10

Photochemical Contrast

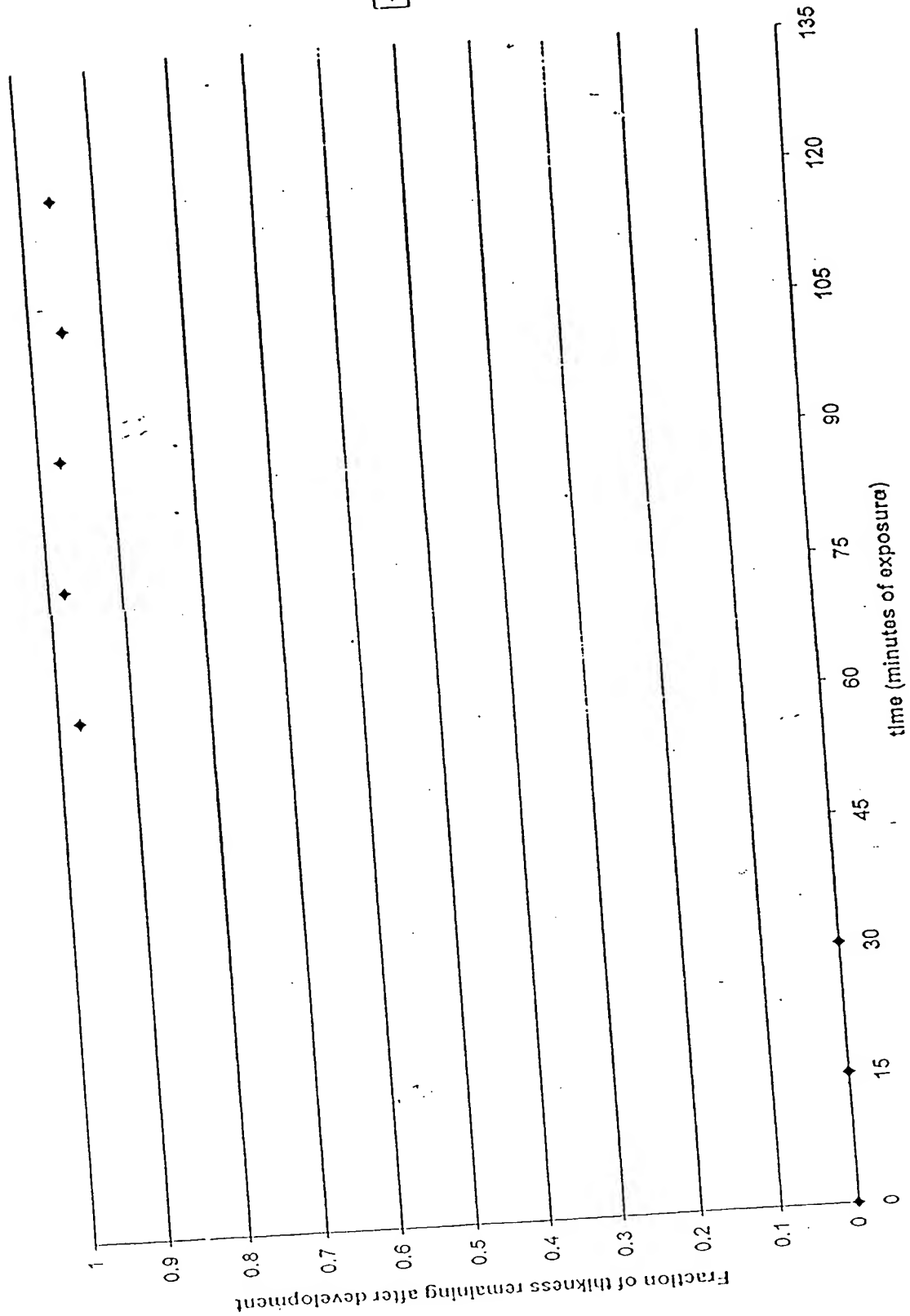


FIGURE 11
Combined Thermal/Photochemical Contrast

